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**From:** Vasu, Amy [Vasu.Amy@epa.gov]  
**Sent:** 7/20/2021 1:53:29 AM  
**To:** Koerber, Mike [Koerber.Mike@epa.gov]; Bremer, Kristen [Bremer.Kristen@epa.gov]; Noonan, Jenny [Noonan.Jenny@epa.gov]  
**CC:** Rimer, Kelly [Rimer.Kelly@epa.gov]  
**Subject:** Any additional edits before I send this to Madeline at 9am? -- RE: Ready for further review, and questions -- FW: Internal Overview of EtO: Review ASAP but not later than tomorrow noon  
**Attachments:** EtO\_Overview\_July\_2021\_Internal\_Deliberative\_Draft-OAQPS MK\_revised.docx; Map\_EtO commercial sterilizers\_June 2021.docx

**Importance:** High

I added text to the new section at the top of page 1 and added a comment to the section at the bottom of page 3 (recommending removal of the section).

A few questions –

- + Is listing pre-proposal outreach for EtO sterilizers as “anticipated to occur in 4-10 months” okay, as is?
- + And, is sending the map of commercial sterilizers (attached), showing risk levels, okay for this audience?
- + Would you recommend any additional edits before this goes to Madeline?

I’m planning to send the two files to Madeline at 9am unless you tell me otherwise.

Thank you,

Amy

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**From:** Koerber, Mike <Koerber.Mike@epa.gov>  
**Sent:** Monday, July 19, 2021 5:29 PM  
**To:** Bremer, Kristen <Bremer.Kristen@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Noonan, Jenny <Noonan.Jenny@epa.gov>  
**Subject:** RE: Ready for further review, and questions -- FW: Internal Overview of EtO: Review ASAP but not later than tomorrow noon

Here are a few more edits – top of page 1 and bottom of page 3

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**From:** Bremer, Kristen <Bremer.Kristen@epa.gov>  
**Sent:** Monday, July 19, 2021 4:47 PM  
**To:** Vasu, Amy <Vasu.Amy@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Noonan, Jenny <Noonan.Jenny@epa.gov>  
**Subject:** RE: Ready for further review, and questions -- FW: Internal Overview of EtO: Review ASAP but not later than tomorrow noon

Hi Amy,

I went through and made some additional edits. I also ran a few of the changes by Jon Witt to make sure we had our sterilizer information correct. I think your reordering makes a lot more sense and sets up the issue in a more logical way.

Thanks!

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Kristen Bremer  
Policy Analysis & Communications  
U.S. EPA, Office of Air Quality Planning & Standards  
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Phone: 919.541.9424  
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Pronouns: she/her/hers

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**From:** Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>  
**Sent:** Monday, July 19, 2021 3:22 PM  
**To:** Bremer, Kristen <[Bremer.Kristen@epa.gov](mailto:Bremer.Kristen@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>; Noonan, Jenny <[Noonan.Jenny@epa.gov](mailto:Noonan.Jenny@epa.gov)>  
**Subject:** Ready for further review, and questions -- FW: Internal Overview of EtO: Review ASAP but not later than tomorrow noon

I've made all of the edits I'll be able to for now, due to a doctor appointment. I had a few questions, shown in comment bubbles, mainly on the EtO sterilizer risk results (need table to include) & activities on other rules regarding locations (MON, HON, PEPOs).

I'll check back at 5:30pm to try to complete the revision.

Thank you,

Amy

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**From:** Bremer, Kristen <[Bremer.Kristen@epa.gov](mailto:Bremer.Kristen@epa.gov)>  
**Sent:** Monday, July 19, 2021 9:31 AM  
**To:** Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Rimer, Kelly <[Rimer.Kelly@epa.gov](mailto:Rimer.Kelly@epa.gov)>; Noonan, Jenny <[Noonan.Jenny@epa.gov](mailto:Noonan.Jenny@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>  
**Subject:** FW: Internal Overview of EtO: Review ASAP but not later than tomorrow noon

See Madeline's note below. I had a chance to briefly look at her write up this Friday, but got pulled off on other things. I've saved this as a shared file so we can (hopefully) edit it together and send it back to her today.

Thanks!

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Kristen Bremer  
Policy Analysis & Communications  
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**From:** Beal, Madeline <[Beal.Madeline@epa.gov](mailto:Beal.Madeline@epa.gov)>  
**Sent:** Monday, July 19, 2021 9:14 AM  
**To:** Noonan, Jenny <[Noonan.Jenny@epa.gov](mailto:Noonan.Jenny@epa.gov)>; Bremer, Kristen <[Bremer.Kristen@epa.gov](mailto:Bremer.Kristen@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>  
**Cc:** Millett, John <[Millett.John@epa.gov](mailto:Millett.John@epa.gov)>; DeLuca, Isabel <[DeLuca.Isabel@epa.gov](mailto:DeLuca.Isabel@epa.gov)>  
**Subject:** FW: Internal Overview of EtO: Review ASAP but not later than tomorrow noon

Hey guys... I have gotten edits from ORD and OCSPP and am working to compile everything and update today. Can you all let me know if you would like to see changes and if you can fill in the missing gaps on locations of facilities? On that I am ok with estimates, but I want to give a basic overview of the universe for leadership/PADs/OCIR/etc and the location data is important for that. Time is somewhat of the essence given what is happening on EtO in the next three weeks.

I also have the ORD:TCEQ language that I want to share with you all. I don't think you all were on those chains, but I think it will be useful generally but especially R6 to be able to talk about IRIS and why it is the best available value.

Also... ORD flagged the part in the attached about EPA not being aware of ecological risks. I got that from previous materials from you all (I think). It is worded in a way that indicates its an absence of a positive not necessarily that we are positive of the absence, but I can be more clear on that if you all think it is needed. I believe we have used that language before though, so if you are ok I think they are ok, they just wanted to make sure I wasn't making things up 😊

-mads

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**From:** Beal, Madeline

**Sent:** Thursday, July 15, 2021 12:58 PM

**To:** Bremer, Kristen <[Bremer.Kristen@epa.gov](mailto:Bremer.Kristen@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Dunton, Cheryl <[Dunton.Cheryl@epa.gov](mailto:Dunton.Cheryl@epa.gov)>; Hubbard, Carolyn <[Hubbard.Carolyn@epa.gov](mailto:Hubbard.Carolyn@epa.gov)>; Noonan, Jenny <[Noonan.Jenny@epa.gov](mailto:Noonan.Jenny@epa.gov)>

**Cc:** Harwood, Jackie <[Harwood.Jackie@epa.gov](mailto:Harwood.Jackie@epa.gov)>; Gillespie, Taylor <[Gillespie.Taylor@epa.gov](mailto:Gillespie.Taylor@epa.gov)>

**Subject:** Internal Overview of EtO: Review ASAP but not later than tomorrow noon

I was asked to develop a 2-pager on everything that is going on with EtO and what is coming next. I couldn't do it in under 3 pages and I expect it will still get a tad longer with your all's input, but...please find that draft attached.

The target audience for this is the Chief of Staff/HQ Comms leads/OCIR. They want to have on paper the basics of the issue and what is coming. So, while it is somewhat more bureaucratic/technical than what I would prepare for a public document, I do think we need to include a good amount of background on why this matters and what equities there are in addition to giving as many location based specifics as we can.

I pulled from existing sources as much as I could, but there are some things that are slightly new in the way they are presented. I highlighted in yellow anything I think you all need to review and/or add to. I would especially like your help on the section on which types of facilities are where. I believe OCIR will need this especially.

On the last page are the topics/questions I didn't cover. In the end, I decided in order to preserve a little brevity, it would be best to leave these off, but I wanted to give you all an opportunity to object if you think any of those excluded topics are important enough to be included for the high level internal audiences we are talking about.

Finally... there are a lot of EtO things I am working on today and tomorrow (R6 outreach plan and materials and the TCEQ vs IRIS materials from ORD). It will be exceedingly helpful to have your comments on this document as those materials are getting finalized, so please take a look as soon as you are able.

-mads

Madeline Beal, MPH

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